Dispense Works Inc

RP Series Robotic Dispenser

Sealing - Filling - Spraying - Beading – Assembling

A Smart Solution

Available with optional heated platen, vacuum table, heated syringe and dozens of other devices.

Simply The Best

The RP Robot system is optimized for fluid dispensing of virtually any materials using all technologies available today.

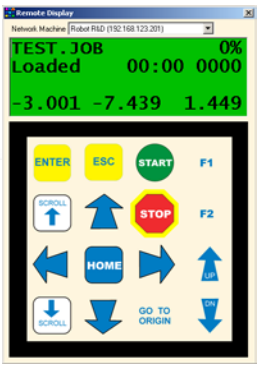
Each axis is constructed with our unique precision ground structure for rigidity and machine tool like precision and performance. These systems are ideal for high speed / payload applications.

A Logical Design

The overhead gantry offers flexibility in tooling/fixturing with no mechanics or electronics below the dispensing plane. This allows conveyor implementation from front to back or side to side, as well as indexers, shuttles, etc. Furthermore, it may be used to “straddle” existing conveyors.

Latest Embedded Technology

Network LAN Connectivity

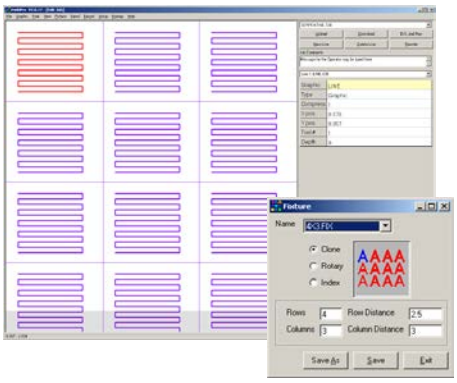


Modular Construction

The system includes an embedded (dual memory) processor and CF memory card for true multi-tasking & real time performance. The machine is connectable to your network (LAN) or RS-232. Hundreds of files may be stored on the machine for quick changeover. Built-in step & repeat “Pallet” files simplify setups. Bar code scanner input will allow selecting jobs from a label or work order.

A True File Based Solution

The obvious advantages of a file based system:
“Your machine will be better tomorrow than it is today”
The ability to upgrade the machine’s software by downloading a single file, ensures that your investment will be as prudent as it is productive.



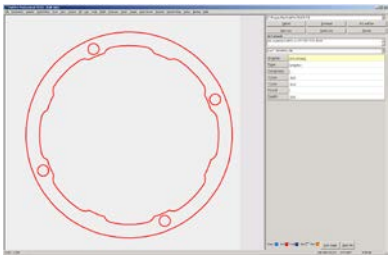
Built-In Digital Valve Controller

No external valve/syringe controller is required. This means much faster response times and control because all motion patterns and valves are controlled in “real time” from the main program. Furthermore, editing or modifying a program is all done in one file.

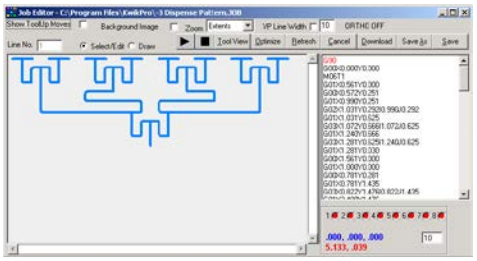
Pre-Programmed Functions

Simple & Powerful Graphical Programming

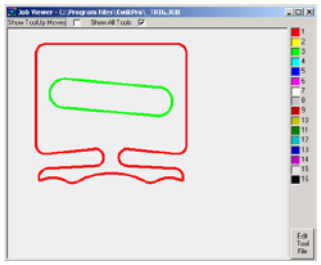
If connected to a PC, the dynamic screen displays the actual path (in real time) being taught with the machine. When saved, it is an authentic G-Code file that may be edited. A rich list of simple 2 letter commands are provided for controlling logic, external I/O and parameters. Hundreds of dispensing path files may exist in the machine.



Visual Jog & Teach



Type-In Commands



Import File Functions

The advanced Jog & Teach function lets you "teach" the dispense path automatically by jogging the tip right over your part and capturing lines, arcs, circles, dots, etc.

Off the Shelf Options Streamline Your Production

Hundreds of standard options are available

Ultra Precise Granite Base

Heated Platens & Syringes

Indexing Dials & Shuttles

Track Your Production Data

Production information is stored after (& during) each cycle. This includes a date & time stamp for each cycle.

The History file may be accessed from the Windows Suite and then printed, copied into a report or saved as a spread sheet file. Other "flags" such as a pause or any interruptions during production are tracked as well.

Production History File

History

Date	Time	Job	Count	Run Time
01/13/04	00:17	THIS	#0004	00:06
01/13/04	00:15	0	#0005	00:10
01/13/04	00:14	THIS	#0001	00:10
01/07/04	22:54	TEXTJOB	#0001	00:16
01/07/04	22:54	LINVATEC	#0001	00:19
01/06/04	23:34	THIS	#0148	00:17
01/06/04	20:48	0	#0335	00:11
01/06/04	19:47	LIN	#0002	00:04
01/06/04	19:46	KEYBOARD	#0031	00:26
01/06/04	19:27	TEXTJOB	#0002	00:05
01/06/04	19:26	KEYBOARD	#0001	01:03
01/06/04	18:51	LIN	#0000	00:00
01/06/04	18:50	KEYBOARD	#0003	00:36
01/06/04	18:48	KG	#0001	00:05
01/06/04	18:47	010504-1	#0014	00:00
01/06/04	01:14	KEYBOARD	#0001	00:37

Limitless Customizing Capability

Electronics Tooling with vision and pick & place

The RP series is available as a complete system with many options:

- Pick & Place Modules
- Vision (over & under)
- Pallets & Tray Processing
- Auger Feed Valves
- On Board Assembly
- Programmable Force
- Multi- Z axes Heads
- Digital, Analog, PWM I/O
- Eight (8) Axes of Motion

Bench Top Automation

On-board Weighing & Laser Sensing

Medical Tooling with Multiple Heads

All systems are designed & manufactured in our clean, state of the art facility on modern CNC equipment to the industry's most stringent quality control. All software (& machine firmware) is written by us as well.

Over 25,000 sq ft is dedicated to research / development & high tech assembly. The systems feature time proven designs with pre-engineered stations requiring minimal "custom" tooling for rapid deployment.

DISPENSE WORKS INC **815-363-3524** **www.dispenseworks.com** **RP1103**